

GenCore version 5.1.3  
 Copyright (c) 1993 - 2002 Compugen Ltd.

Run On: December 6, 2002, 21:31:46 ; Search time 51.5 Seconds  
 (without alignments)  
 11546.552 Million cell updates/sec

Title: US-10-025-514-15  
 Perfect score: 1525  
 Sequence: 1 tcttagccatggaaaggccct.....ccagtcaaggccctatgcac 1525

Scoring table: IDENTITY\_NUC  
 Gapop 10.0 , Gapext 1.0

Searched: 35425 seqs, 19496369 residues

Total number of hits satisfying chosen parameters: 700850

Minimum DB seq length: 0  
 Maximum DB seq length: 200000000  
 Post-processing: Minimum Match 0%

NCOM nucleic - nucleic search, using sw model

```
Published Applications NA:*
1: /cgn2_6/_pctodata/1/_pubpna/_us07__pubcomb.seq:*
2: /cgn2_6/_pctodata/1/_pubpna/_pct06__new_pub.seq:*
3: /cgn2_6/_pctodata/1/_pubpna/_us05__new_pub.seq:*
4: /cgn2_6/_pctodata/1/_pubpna/_us06__pubcomb.seq:*
5: /cgn2_6/_pctodata/1/_pubpna/_pct05__new_pub.seq:*
6: /cgn2_6/_pctodata/1/_pubpna/_pct03__pubcomb.seq:*
7: /cgn2_6/_pctodata/1/_pubpna/_us08__new_pub.seq:*
8: /cgn2_6/_pctodata/1/_pubpna/_us09__pubcomb.seq:*
9: /cgn2_6/_pctodata/1/_pubpna/_us09__new_pub.seq:*
10: /cgn2_6/_pctodata/1/_pubpna/_us09__pubcomb.seq:*
11: /cgn2_6/_pctodata/1/_pubpna/_us10__new_pub.seq:*
12: /cgn2_6/_pctodata/1/_pubpna/_us10__pubcomb.seq:*
13: /cgn2_6/_pctodata/1/_pubpna/_us60__new_pub.seq:*
```

PrPd. No. 18 the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

卷之三

Result 8 Query

Query	Match	Score	DB 10;	Length
	Best Local Similarity	Pred. No.	6e-101;	
	Conservative	0;	Mismatches	Indels
	Matches	465;	465;	Gaps
Qy	12	GAAGCCCTCAAGCGGAGCGCGTCAA	AAACGACACCACTGATCA	ACCCAGAACGACCAT
Db	84	GAGGATGCCAGAGGAGCTGCCAGAG	AGAGATACATCCACCATGAT	CAGATCAC
Qy	72	CCGACTTTAATAAAATTACTCC	AAATTAGCCGAATTAGCT	TTTGTATAGACAA
Db	144	CCAAACCTTCACAAAGATCAC	CCCCAACCTGGCTGAGT	TCAGCCCTATACGCCAG
Qy	132	TAGCTCATCAAAGTAATTCTACTA	AACTATTTTAACTGTTCT	TTGCCACTGCT
Db	204	CTGGCACACCACTGTCACAGC	ACCAATTCCTCTCCCA	AGTGTAGCTACAGCC
Qy	192	TTCGCCATGTTGAGTTAGTTAG	TACTAAAGCGATC	CCATGACGAGATT
Db	264	TTCGCAATGCTTCCTGGGACCA	AGGCTGACACTCAGAT	GAATCTCTGGAGGCGCT

20	124.2	8.1	388	10	US-09-980-352-75567	Sequence 7567, Ap
21	123.2	8.1	439	10	US-09-960-352-10330	Sequence 10330, A
22	123.2	8.1	2089	9	US-09-992-598-409	Sequence 409, App
23	123	8.1	2089	9	US-09-989-293-409	Sequence 409, App
24	123	8.1	2089	10	US-09-989-723-409	Sequence 409, App
25	123	8.1	2089	10	US-09-989-723-409	Sequence 409, App
26	123	8.1	2089	10	US-09-989-727-409	Sequence 409, App
27	123	8.1	2089	10	US-09-989-727-409	Sequence 409, App
28	123	8.1	2089	10	US-09-989-731-409	Sequence 409, App
29	123	8.1	2089	10	US-09-989-732-409	Sequence 409, App
30	123	8.1	2089	10	US-09-991-047-409	Sequence 409, App
31	123	8.1	2089	10	US-09-990-442-409	Sequence 409, App
32	123	8.1	2089	10	US-09-991-163-409	Sequence 409, App
33	123	8.1	2089	10	US-09-993-604-409	Sequence 409, App
34	123	8.1	2089	10	US-09-990-456-409	Sequence 409, App
35	123	8.0	1585	10	US-09-989-721-409	Sequence 409, App
36	121.8	8.0	1585	10	US-09-765-231A-18	Sequence 18, Appl
37	120	7.9	421	10	US-09-960-352-1559	Sequence 1559, Ap
38	118.4	7.8	433	10	US-09-930-352-13205	Sequence 13205, A
39	118.2	7.8	433	10	US-09-847-761-17682	Sequence 17682, A
40	116.4	7.6	445	10	US-09-960-352-5918	Sequence 5918, Ap
41	115.8	7.6	412	10	US-09-960-352-1792	Sequence 1792, Ap
42	114.8	7.5	398	10	US-09-960-352-3413	Sequence 3413, Ap
43	113.4	7.4	418	10	US-09-960-352-2321	Sequence 2321, Ap
44	113	7.4	395	10	US-09-960-352-17468	Sequence 17468, A
45	113	7.4	403	10	US-09-960-352-11740	Sequence 11740, A

QY	252	AACTTTAAATTGACCGAAAATCCAGAACGCCCCAAATTCAAGGGGTTTCAAGAGTGTGTG 311
Ddb	324	AATTTCACCTCAGGGAGTCCGGGCTCAGATTCCTCAGGGCTCAGATTCCTCAGGGCTCAGAACTCCTC 383
QY	312	AGAACCTTAACTGAACTGATCTCAATGCAATTACTACTGGTACGGTTATTTTG 371
Ddb	384	CGTACCCCTAACCGCCAGACAGGCCATCAGCTGACACCGGCATGGCTGTCCTC 443
QY	372	TCTGAAGCTTTAAATTTGGTACAAATTCTCTAGAAAGCTCAAGAAACTATATCATGT 431
Ddb	444	ACGGAGGGCCCTAAGCTAGTGTGAAACTTTGGAGCTTAAGAGTTGACCTCA 503
QY	432	GAGGCTTTACCGTTAATTGGTACATGGAACTTAAAGCCAAATTAAATGATTAT 491
Ddb	504	GAAGCCCTTACGTCATCTCGGGATCAGGAAGGCCAACAGATCAACGATTAC 563
QY	492	GTTGAGAAAGCAGCCAGGGTAAAGATGGTGAACCTAAAGAATGATGCTGTATCC 551
Ddb	564	GTTGAGAAGGGTACTCAAGGGAAATTGGTGAATTGGGATTTGCAAGGAGCAC 623
QY	552	GTCCTCGACTAGTTACTATATTTCAGGGTAAGTGGAAACGTCCTTCAGGTT 611
Ddb	624	GTTTTGGTCTGGTGAATTCATCTTAAAGGAAATGGAGAACCTTGTAGGT 683
QY	612	AAAGATAGTGAAGGAGGAAATTCACTGATCAACTTAATCTACTGCAACT 671
Ddb	684	AAGGACACGGAGGAGACGAGACTCCACCTGGACCAGTGACCCGTTGAC 743
QY	672	ATGAAAAGACTGGTATTCATATTCAATTCAATTGCAAAATTAAATGCTGGGTTTA 731
Ddb	744	ATGAGGCTTAGGCATTTAACATCCAGACTGTAAARGCTGTCAAGCTGGTACTG 803
QY	732	TTATGAAGTATTAGTAACCGTACTCTATTTCACAGAGAAGCTTAAGCTT 791
Ddb	804	CTATGAAATACCTGGGAATGCCACCCCACTCTTCCTACTGTAGGGAAACCTA 863
QY	792	CAACATTAGAGATGAGTTGACTCATGACATTATTCAATTGAGAACGGAGAT 851
Ddb	864	CAGCACCTGGAAATGAACTCACCCACCATATCATCACCAAGTCCCTGGAAATAGAGAC 923
QY	852	CGTGTAGGCFCTGACCTGGCAAGTTAGTACACCGTACTACACTTAAAC 911
Ddb	924	AGAAGGCTGGCCAGCTTACATTACCCAAACITGCCATTACTGGAAACCTATGATCTGAG 983
QY	912	TCTTTTAAAGCCAGTTAGTATTACCAAAAGTTTCTTAACGGTGGGATTGAGTGT 971
Ddb	984	AGCTCTGGTCAACTCGGCACTCACTAGGTTCAACATGGCTCCGG 1043
QY	972	GTTACTGAGAAGCTCCATTAAATTGGTAAAGCTGTTCACAAAGGGCTCTAACATT 1031
Ddb	1044	GTCACTAGGAGGGACCCCTGAACCTCTCCAAAGGCCATAGGGCTGTCGACCATC 1103
QY	1032	GATGAAAGGTTACCGGAAGGGGGCTGAAGCTTCCGGAAAGCTTATCCAAATGGGATT 1091
Ddb	1104	GACGAGAAGGGGCTGAAGCTGTCGTTGGGGCATGTTTGAAGGCCATACCAATGTCATC 1163
QY	1092	CCACCGAGGTAAATTAAACCATTCGTTTCTGTGATCGAGCACCTAAAC 1151
Ddb	1164	CCCCAGAGTTCAGTTACAAACCCFTGTCATGTTAACAAATCCAGAACATTACFAG 1223
QY	1152	AGGCCATTTGTTTATGGTAAGGTGTCACCCAAACTCTGAA 1192
Ddb	1224	TCTCCCTCTCATGGAAAAGCTGTGAACTCCCAAA 1264

RESULT 2  
US-09-964-824A-545  
Sequence 545, Application US/09964824A  
Patent No. US2010012531A1  
GENERAL INFORMATION:  
APPLICANT: Hori,gan, Stephen  
TITLE OF INVENTION: Cancer Gene Determination

Qy	732	TTAATGAAGTTATTAGTTAACGCTACTGCTATTACAGACGGAAAGTAAGCT	791	Db	171	CCAACCTTCACAAAGATCACCCTAACCCCTGGCTGAGGTTGCCCTACGCCAG	230
Db	8112	CTGATGAAATACCTGGCAATGCGCCTCGCTCCTGAGGGAAACTA	871	Qy	132	TTAGGUCATCAAATTACTAACATTTAGTTTGTGTTCTGTTTGTGCACTGTT	191
Qy	792	CAACATTAGAGAATGAGTGAATGACTCATGCAATTACTAAATTAGAACGAGGAT	851	Db	231	CTGGCAACCAAGTCACACGCCATACCCATCACTCCAGTCAGCTACGCC	290
Db	8772	CAGCACCTGAAATGAACTCACCACGATATCATACCAAGTCCTGGAAAATGAAAC	931	Qy	192	TTCGGCATGTTGAGTTAGGTACTAACCATGACGAAATTAGAGGTTTA	251
Qy	852	CGTGCTAGGCCTCTCGACCTGCAAGTAAGTATCACCGGTTACTAACGTTAAA	911	Db	291	TTTGCATGCTCTCTGGACCGAGGTGACACTACATGGANATCTGGGGCT	350
Db	932	AGAAAGCTGCCCAGCTTACATTACCCAAACTGTCATTACTGAACTATGTCGAAG	991	Qy	252	AACTTAATTGACCGAAATCCAGAGGGTTCAAGAGTTGTTGTTG	311
Qy	9112	TCAGTTTGGCCAGTTAGTTACCAAAATTCTAACGTTGCGGATTGACTGGT	971	Db	351	AACTCAACCTCACSGAGATTCCGGGGCTCAGTCATGAAGACTCTCCAGGA	410
Db	992	AGGGCTCTGGTAACCTGGCAACTGGCAACTAACGGCTCTTAACCTATT	1051	Qy	312	AGAACTTGATCACTGACTGCTCATACTGCAATTGCTGTTTGTGTTATTTTG	371
Qy	972	GTTACTGAAAGACTCCATTAAATGAGTAAGGTTACCGCTCTTAACCTATT	1031	Db	411	CGTACCCCTCAACCCAGCAGCAGCAGCAGCAGCTGACCCGCAAGCCTCTC	470
Db	1052	GTCAAGAGGAGGACCCCTGAAAGCTCTCAAGGCCGTGACCATC	1111	Qy	372	TCTGAAGGTTAAATGGTGTGACAAATCCTAGAGAGCTCAAGAACTATCATAGT	431
Qy	1032	GATGAAAGGGTACCGGCCGGCTCTGGAAAGCTTCCATGAGCAT	1091	Db	471	AGCGAGGGCTGACCTTGAACTGGTAAAGTGGAGTTAAAGTGTGACCA	530
Db	1112	GAGCAGAAAGGACTGAGCTGGCCATGTTAGGCCATACCCATGTCAT	1171	Qy	432	GAGGCTTTACCGTTAACCTGGTGTACTGAGGAGCTAAAGCAAAATTATGATTT	491
Qy	1092	CCACCAAGGTTAAATTATAAAACCATTGTTCTGATGATCGAGAAACATAA	1151	Db	531	GAAGCCTTCACGTCAACTCGGGACACCGGAAACGGCCAAAGAACAGTCAACGATAC	590
Db	1172	CCCCCGANGGTCAAGTCAACACCCCTTGCTCTCTTAATGATTGAAACAAATCCAA	1231	Qy	492	GTTGAGAAAGCACCAGGTAAGATGCTGACCTGAGTTAAAGAATTAGATCGTGTGATC	551
Qy	1152	AGCCCATTTGTTATGGTAAAGGTTGTCACCCAACTCAGAA	1192	Db	591	GTGGAGAAGGGTACTCAAGGAAATTTGNGATTGTTGACAGAACACA	650
Db	1232	TCTCCCCCTTCATGGAAAGTGTGAAATCCACCCAAA	1272	Qy	552	GTCTCGCACTAGTTAACCTATTTCAAGGTAATGGGAACTGCTTCAGGTT	611
Db	651	GTTRTTGCTCTGGTAATTACATCTTCUTTAAAGCAATGGGAGACCCUTTGAACT	710	Db	651	GTTRTTGCTCTGGTAATTACATCTTCUTTAAAGCAATGGGAGACCCUTTGAACT	710
Qy	612	AAAGTAATGAGGAAAGATTCTGTTGATCAAGTTACTGTTCAAGGTTCCAACTG	671	Qy	612	AAAGTAATGAGGAAAGATTCTGTTGATCAAGTTACTGTTCAAGGTTCCAACTG	671
Db	711	AGGACACCCGGAGGAGGACTCCACGGTGGACCGTGAACCTGGCTATG	770	Db	711	AGGACACCCGGAGGAGGACTCCACGGTGGACCGTGAACCTGGCTATG	770
Qy	672	ATGAAAGACTGGTAAATTCAACATTGTTAACATCCAGCACTGTTGCTCTTCA	731	Qy	672	ATGAAAGACTGGTAAATTCAACATTGTTAACATCCAGCACTGTTGCTCTTCA	731
Db	771	ATGAGCGTTAGGTGTTAACATCCAGCACTGTTGAGGTTGCTCTTCA	830	Db	771	ATGAGCGTTAGGTGTTAACATCCAGCACTGTTGAGGTTGCTCTTCA	830
Qy	732	TTAATGAACTGTTAACATTTACCGGTTAACCTTACCGGTTAACCTTACGACTTTAA	791	Qy	732	TTAATGAACTGTTAACATTTACCGGTTAACCTTACCGGTTAACCTTACGACTTTAA	791
Db	831	CTGATGAAATACCTGGCAATGCCACCTCTCTGCTGATGAGGAAACTA	890	Db	831	CTGATGAAATACCTGGCAATGCCACCTCTCTGCTGATGAGGAAACTA	890
Qy	792	CAACATTAGAGAAATGAGTGTGACTCATGACATTAAATTAGAACGAGGAT	851	Db	891	CAGCAGCTGGAAATAAGTCAACCCACGATATCATCACCAAGTTCTGGAAATGAGAC	950
Db	891	AGAAGGCTGCTGGCACTTACATTACCTGTCATGTTGAGGTTGACCCAT	950	Qy	852	CGTCGTAGCGCTTCCTGACCTTGCAACCTTACCGGTTAACCTTACGACTTTAA	911
Qy	852	AGAAGGCTGCTGGCACTTACATTACCTGTCATGTTGAGGTTGACCCAT	950	Db	951	AGAAGGCTGCTGGCACTTACATTACCTGTCATGTTGAGGTTGACCCAT	1010
Db	951	TCTGTTTAGGCCAGTTAGGTATTACCAAACTGTCATTTCTAACGGTGGCATTGAGTGGT	971	Qy	912	TCTGTTTAGGCCAGTTAGGTATTACCAAACTGTCATTTCTAACGGTGGCATTGAGTGGT	971
Db	1011	AGCGTCCTGGTCACCTGGCCATCACTAAAGCTGTCATGTTGAGGTTGACCCCTC	1070	Db	1011	AGCGTCCTGGTCACCTGGCCATCACTAAAGCTGTCATGTTGAGGTTGACCCCTC	1070
Qy	972	GTACTGAAAGGTCATTAATAATTGAGTAACCTGTCACAAAGCCCTCTTAACATT	1031	Qy	972	GTACTGAAAGGTCATTAATAATTGAGTAACCTGTCACAAAGCCCTCTTAACATT	1031
Db	1131	GACGAGAAAGGACTGAGCTGAGCTGGGGCATGTTTGTGCTCATGTCAT	1190	Db	1131	GACGAGAAAGGACTGAGCTGAGCTGGGGCATGTTTGTGCTCATGTCAT	1190
Qy	1092	CCACCAAGGTTAAATTATAAACTCATGTTCTCAAGGCCGTCATAAAGCTGTCATG	1151	Qy	1092	CCACCAAGGTTAAATTATAAACTCATGTTCTCAAGGCCGTCATAAAGCTGTCATG	1151
Db	1191	CCCGCAGCTCAACTTCACAACTTGTGCTGACCCAT	1130	Db	1191	CCCGCAGCTCAACTTCACAACTTGTGCTGACCCAT	1130
Qy	1152	AGCCCATTTGTTTGTGAAAGGTTGAGGTAAAGGTCACCCAACTCAGAA	1192	Qy	1152	AGCCCATTTGTTTGTGAAAGGTTGAGGTAAAGGTCACCCAACTCAGAA	1192
Db	1251	TCTCCCCCTTCATGGAAAGTGTGAAATCCACCCAAA	1291	Db	1251	TCTCCCCCTTCATGGAAAGTGTGAAATCCACCCAAA	1291

RESULT 3  
 US-09-964-824A-544  
 ; Sequence 544, Application US/09964824A  
 ; Patent No. US20020102531A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: HOTTIGAN, Stephen  
 ; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu

re  
 ; TITLE OF INVENTION: Sets  
 ; FILE REFERENCE: 689290-73  
 ; CURRENT APPLICATION NUMBER: US/09/964, 824A  
 ; CURRENT FILING DATE: 2001-09-27  
 ; PRIORITY APPLICATION NUMBER: US/60/236, 033  
 ; PRIORITY FILING DATE: 2000-09-28  
 ; PRIORITY APPLICATION NUMBER: US/60/236, 032  
 ; PRIORITY FILING DATE: 2000-09-28  
 ; PRIORITY APPLICATION NUMBER: US/60/236, 028  
 ; PRIORITY FILING DATE: 2000-09-28  
 ; NUMBER OF SEQ ID: 583  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 544  
 ; LENGTH: 1371  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature

LOCATION: (1)..(1371)  
 OTHER INFORMATION: n=a, t, g or c

US-09-964-824A-544

SEQ ID NO 544

LENGTH: 1371

Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

Query Match: 28.1% ; Score: 429; DB: 10; Length: 1371;

Best Local Similarity: 60.28; Pred. No. 6.3e-99;

Mismatches: 470; Indels: 0; Gaps: 0;

</div

RESULT 4

US-09-765-231A-19

Sequence 19, Application US/09765231A

Patent No. US20020119452A1

GENERAL INFORMATION:

APPLICANT: Searle/Monsanto

APPLICANT: Philippard, Deborah

APPLICANT: Vasantakamur, Geetha

APPLICANT: Dotson, Stanton

APPLICANT: Ma, Xiao-Jun

TITLE OF INVENTION: osteoarthritis tissue-derived nucleic acids, polypeptides, vectors, and cells

TITLE OF INVENTION: vectors, and cells

FILE REFERENCE: SO-3221 PR

CURRENT APPLICATION NUMBER: US/09/765, 231A

CURRENT FILING DATE: 2001-01-18

NUMBER OF SEQ ID NOS: 82

SEQ ID NO 19

TYPE: DNA

ORGANISM: Homo sapiens

US-09-765-231A-19

Query Match 26.7%; Score 407; DB 10; Length 1390;

Best Local Similarity 60.1%; Pred. No. 2.3e-90; Indels 2; Gaps 2;

Matches 711; Conservative 0; Mismatches 470; Gaps 2;

Qy 12 GAGACCCCTAAGCGACCCGCTCAAAACGACACCGATCACGACCAAGACCCAT 71

Db 107 GAGGTCCCCAGGGAGATGTCGCCAGAAGACAGATACTCCACCATGATAGGATCAC 166

Qy 72 CGACTTTAAATAATTACTCCAATTTAGCGGAATTGGTTTCTGTATAGCAA 131

Db 167 CAAACCTTCACAGATCACCCCAACCTGGCTGAGTTCGCCTACGCCAG 226

Qy 132 TAGCTCATCAAGTAATTCTACTAATTTCAGCTTCTATGCCACTGCT 191

Db 227 CTGGACACCAAGTCACACGCCAAATCTCTCCCACTGAGATCCTACGCC 286

Qy 192 TTGCCCATG-TTGAGTTAGGTACTAAAGCGATAACCCATGAGGAGTTTAAAGGGTT 250

Db 287 TTGGAATGCTCCTGGGGACCAAGGCTGACACTACGTT 346

Qy 251 AACCTTAATTGACCGAATCCAGAACGCCAAATTACGAGGTTTCAAGAGTGT 310

Db 347 GAATTCAACCTACGGAGATTCGGAGSCTCAGATGGCTCCAGCAACTCT 406

Qy 311 GAGAATTTGATAAACCTGATCTCAATTGCAATTAACTACTGTAACTGGTTATTTT 370

Db 407 CGTACCCCTAACCCGGCACGCCAGCCAGCTCACGCTGACCGCAATGGCTGTCT 466

Qy 371 GTCGAAGGTTAAATGGTGCACAAATTCTCTAGAAAGCTGAAACTATATCATAG 430

Db 467 CAGCGAGGGCTGAAGCTGTTGGATAAGTTGGATGTTACCACT 526

Qy 431 TAGGCTTTACCGTTAATTTGGTGTACATGGAAACTAAAGAAATTATGATTA 490

Db 527 AGAACCTTCACCTGCAACTTGGGACACGGCAAGAAACGATTAACGANTTA 586

Qy 491 TGTGAAAGGACCCAGGTAGATCCTGACCTGTTAGAAATAGCTGTGATAC 550

Db 587 CGTGGAGGGTACTAACGGAAATTGTTGGATGTTGGCTAACAGAGCAC 646

Qy 551 CGTCCTGGCACTAGTTAACTATTTGGTGTACATGGAACTTCCGTTGAGT 610

Db 647 AGTTTTGCTCTGGTAATCACCTCTTAAAGGCAATGGAGAACCTTTGAGT 706

Qy 611 TAAAGATACTGAAAGGAAAGTATTCATGTTGATCAAACTTACTGTCAAAGTCCAAAT 670

Db 707 CAAGAACCGAGGAAAGGACTCCACCTGGACCACTGGTAAAGGTGCCTAT 766

Qy 671 GATGAAAAGACTGGGTATGTTCAATTCACATGCAAAATAAATTAAGTTCTGGGFCCT 730

Db 767 GATGAAGC GTT TAGGGATGTTAACATCCAGCACTGTAAGAGCTGGCT 826

Qy 731 ATTAAAGAATA-TTGGTAAACGCTTACTGCTATTTCCTTACCAAGCGAAGTAAAC 789

Db 827 GCTGATGAAATPACCTGGGCAATGCCACCGCATCTCCCTGCTGTGAGGGAAAC 886

Qy 790 TICAACATTTAGAGAATGAGTGTACCTACATCAATTAAATTAGAGAACGAGG 849

Db 887 TACGGACTCTGAAATTGAACTTACCCGTTACTTACGACTTAA 909

Qy 850 ATCGTGCTAGGCTTCTCTGACCTGCCAAAGTTAAAGTATCACCCTAGACTTAA 909

Db 947 ACAGAAGGTGCGCAGCTACATTACCAAAACTGTCCATTACTGAACTTATGCTCA 1006

Qy 910 AAATCTGTTAGGCCAGTTAGGTATTACCAAGGTTTCTAAAGGTGGCGATTGAGTG 969

Db 1007 AGAGCGTCTGGGTCAACTGGCCTACATAGGTCTTCACAAUTGGGCTACCTCTCCG 1066

Qy 970 GTGTTACTGAAAGGTCAATTACCAAAATTGAGTAAGCTGTCAAAAGCGCTCTTAACTA 1029

Db 1067 GGGTCACAGGAGGGACCCGTGAGCTCCTGCAAGGCCCTGCTAAAGGCTGTGACCA 1126

Qy 1030 TTGATGAAAGGGTACCGGCCGGGGTATGTTCTGGAAACTTACATGAGGA 1089

Db 1127 TCGACGAGAAAGGACTGAAGCTGTGTCATGTTTGTAGGCCATACCCATGTC 1186

Qy 1090 TTCCACCGAAGGTTAAATTATAACCATCTGTTCTGATGTCAGCAGAACACTA 1149

Db 1187 TCCCCCCCAGGTCAAGTCACAAACCCPTGTCTTAATGTTGAAATAATCCA 1246

Qy 1150 AAAGCCCATTTGTTATGGTAAAGGTGTCACCCAACTCAGAA 1192

Db 1247 AGTCCTCCCTCTCATGGAAAAGTGTGAATCCACCAAAA 1289

RESULT 5

US-09-564-824A-582

Sequence 582, Application US/09964824A

PATENT NO. US20020102531A1

GENERAL INFORMATION:

APPLICANT: Hogan, Stephen

TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Sign

FILE REFERENCE: 689290-73

CURRENT FILING DATE: 2001-09-27

PRIOR APPLICATION NUMBER: US/60/236,033

PRIOR FILING DATE: 2000-09-28

PRIOR APPLICATION NUMBER: US/60/236,032

PRIOR FILING DATE: 2000-09-28

PRIOR APPLICATION NUMBER: US/60/236,028

PRIOR FILING DATE: 2000-09-28

NUMBER OF SEQ ID NOS: 583

SOFTWARE: Patentin version 3.0

SEQ ID NO 582

LENGTH: 594

TYPE: DNA

ORGANISM: Homo sapiens

US-09-564-824A-582

Query Match 14.6%; Score 222.8; DB 10; Length 594;

Best Local Similarity 80.7%; Pred. No. 5.1e-7;

Matches 260; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

Qy 1197 TCCGGAAGATGCTTCAAGGCCGGTTGTCACCAAGGAAGTGTGCTCAATGTTGAGA 1256

Db 94 TCTGGAAAGTCCTTCAGGAGGACTGCTCTCTCAAGGAGGACTGCTGCTTGA 153

Qy 1257 TACAAGAGCCAGAAATGCTCAACTCCGACTGGCAATGTCCTCAAGAAGATGTTGTC 1316

Db 154 TACAAGAAACCTGAGTGCAGGACTGCTGAGTGGAGAAGGAGATGTTGTCCT 213

Qy	1317	GACATTGTGTATACTGTCTAGACCGTAGACCTGAACTAGAGAAAG	1376	Db	274	CCGGAAACTGCCAGTGACTTATGCCAATGTTGCTTAACCCCCCAATTCTGT	333
Db	214	GACATTGTGTCACTAACTGGTCACTGGATCTGTGACACCCAAACGAGGAG	273	Qy	1437	GAATGGACGGTCAATGTAAGAGACTGTAAGTGTGTTATGGGTATGTGTTAAGTCC	1496
Qy	1377	CCAGGTAAGTGTCCAGTATTACGGTCAATGTTGATCTGAACTTCCTGT	1436	Db	334	GAGTGGATGGCAGTGCAGCTGAGCTGATGAACTGGCATSTGTGGAAATCC	393
Db	274	CCTGGAACTGTCCAGTGTCAATTGGCCATAGTGTGATCTTAACCCCAATTCTGT	333	Qy	1497	TGCTTTCAGTCAGGCT 1518	
Qy	1437	GAATGGACGTCAATGTAAGAGACTGTAAGTGTGTTATGGGTATGTGTTAAGTCC	1496	Db	394	TGCCTTCCCTGTGAAGCTT 415	
Db	334	GAGATGGATGGCAGTGCAGTCAGTGTGATGGCATGTTGGAAATCC	393				
RESULT 6				RESULT 7			
US 09 954 456-1989				US-09-865-812-1			
; Sequence 1989, Application US/09954456				; Sequence 1, Application US/09865812			
; Patent No. US2002115057A1				; Patent No. US200211526A1			
; GENERAL INFORMATION:				; GENERAL INFORMATION:			
; APPLICANT: Young, Paul				; APPLICANT: Rasetelli, Luca			
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cancer				; APPLICANT: Smithson, Glenda			
; TITLE OF INVENTION: Sets				; TITLE OF INVENTION: Method of Detecting Inflammatory Lung Disorders			
; CURRENT APPLICATION NUMBER: US/09/954, 456				; FILE REFERENCE: 21402-018 US			
; CURRENT FILING DATE: 2001-09-18				; CURRENT APPLICATION NUMBER: US/09/965, 812			
; PRIORITY NUMBER: US/60/233, 617				; CURRENT FILING DATE: 2001-05-28			
; PRIORITY FILING DATE: 2000-09-18				; PRIORITY APPLICATION NUMBER: 60/207, 104			
; PRIORITY NUMBER: US/60/234, 052				; PRIORITY FILING DATE: 2000-05-25			
; PRIORITY FILING DATE: 2000-09-20				; NUMBER OF SEQ ID NOS: 5			
; PRIORITY APPLICATION NUMBER: US/60/234, 923				; SEQ ID NO: 1			
; PRIORITY FILING DATE: 2000-09-25				; LENGTH: 594			
; PRIORITY NUMBER: US/60/235, 134				; ORGANISM: Homo sapiens			
; PRIORITY FILING DATE: 2000-09-25				; US-09-865-812-1			
; PRIORITY APPLICATION NUMBER: US/60/235, 637							
; PRIORITY FILING DATE: 2000-09-26							
; PRIORITY APPLICATION NUMBER: US/60/235, 638							
; PRIORITY FILING DATE: 2000-09-26							
; PRIORITY APPLICATION NUMBER: US/60/235, 711							
; PRIORITY FILING DATE: 2000-09-27							
; PRIORITY APPLICATION NUMBER: US/60/235, 720							
; PRIORITY FILING DATE: 2000-09-27							
; PRIORITY APPLICATION NUMBER: US/60/235, 840							
; PRIORITY FILING DATE: 2000-09-27							
; PRIORITY APPLICATION NUMBER: US/60/235, 863							
; PRIORITY FILING DATE: 2000-09-27							
; NUMBER OF SEQ ID NOS: 2276							
; LENGTH: 594							
; SOFTWARE: PatentIn version 3.0							
; TYPE: DNA							
; ORGANISM: Homo sapiens							
US-09 954 456-1989							
Query Match	14.6%	Score 222.8;	DB 10;	Length 594;			
Best Local Similarity	80.7%	Pred. No. 5.1e-47;	Matches 260;	Conservative	0;	Mismatches 0;	Gaps 0;
Matches 260;	Conservative	0;	Mismatches 0;	Indels 0;	Gaps 0;		
Db	94	TCTGAAAGTCCTAAAGTGGACTCTGTCCTCTTAAGAAATCTGCCAGTGTGCTTA	153	Db	1257	TACAGAAGCCAGATGTCGTCAGTCATGGCTCAATGTTGCTGAACTGAGATGTTGCTCA	1316
Qy	1257	TACAGAAGCCAGATGTCGTCAGTCATGGCTCAATGTTGCTGAACTGAGATGTTGCTCA	1316	Qy	1197	TCCCGAAAGTCCTTCAGGGCTGTGTTCCACCAAGAAGTCCGCTCAATGTTGAGA	1256
Db	154	TACAGAAGCCAGATGTCGTCAGTCATGGCTCAATGTTGCTGAACTGAGATGTTGCTCA	213	Db	94	TCTGAAAGTCCTTCAGGAGTGTGCTCCAGTAAACCTGGATCTGCCAGTGTGCTTA	153
Qy	1317	TACAGAAGCCAGATGTCGTCAGTCATGGCTCAATGTTGCTGAACTGAGATGTTGCTCA	1376	Qy	1317	GACACTGTGGTATCAAGTGTGTCAGACCCAGTGTGACACCCAAACCAACTAGAAAG	1376
Db	214	TACAGAAGCCAGATGTCGTCAGTCATGGCTCAATGTTGCTGAACTGAGATGTTGCTCA	273	Db	1257	TACAGAAGCCAGATGTCGTCAGTCATGGCTCAATGTTGCTGAACTGAGATGTTGCTCA	1316
Qy	1317	TACAGAAGCCAGATGTCGTCAGTCATGGCTCAATGTTGCTGAACTGAGATGTTGCTCA	1376	Qy	1197	TCCCGAAAGTCCTTCAGGGCTGTGTTCCACCAAGAAGTCCGCTCAATGTTGAGA	1256
Db	334	GAGATGGATGGCCAGTGCAGCTGACAGTGTGCTGAACTGAGATGTTGCTGAACTG	393	Db	214	GACACTGTGGTATCAAGTGTGTCAGACCCAGTGTGACACCCAAACCAACTAGAAAG	273
Qy	1437	GACACTGTGTATACTGTGCTCAATGGCTCAATGTTGCTGAACTGAGATGTTGCTCA	1496	Qy	1377	CCAGTTAAGTCAGTCATGTAGAGACTGTAAGTGTGTTATGGCTATGTGTTGAGCT	1436
Db	394	TGCCTTCCCTGTGAAGCTT 415		Db	274	TCTGAAAGTCCTTCAGTACTGTCCTTAAGCCAAACCCAAACGAGGAG	333
RESULT 8				RESULT 8			
US-09-880-107-2090				US-09-880-107-2090			
; Sequence 2090, Application US/09880107				; Sequence 2090, Application US/09880107			
; Patent No. US200211526A1				; Patent No. US200211526A1			
; GENERAL INFORMATION:				; GENERAL INFORMATION:			
; APPLICANT: Horne, Darcie T.				; APPLICANT: Horne, Darcie T.			
; APPLICANT: Vockley, Joseph G.				; APPLICANT: Vockley, Joseph G.			
; APPLICANT: Sheriff, Uwe				; APPLICANT: Sheriff, Uwe			
; APPLICANT: Gene Logic, Inc.				; APPLICANT: Gene Logic, Inc.			
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer				; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer			
; FILE REFERENCE: 44921-5028-WO				; FILE REFERENCE: 44921-5028-WO			
Qy	1377	CCAGTTAAGTCAGTCATGTGCTCAATGGCTCAATGTTGCTGAACTGAGATGTTGCTCA	1436	Qy	1377	CCAGTTAAGTCAGTCATGTGCTCAATGGCTCAATGTTGCTGAACTGAGATGTTGCTCA	1436



Db	69	ACCTTGTCATTTGCCCAACAAATGCCACTCTCTATAGATGCCATCTATAATGCTGAT	128	Qy	1173	GTTCGTAACCCAACTCAGAAG	1193
Qy	108	TTTGCTTCTTCCTTGATAGACAAATTAGCTCATCAAAGTAATTCATCAATGCTGAT	167	Db	1209	GTGTTGACCCAAACAAAGAG	1229
Db	129	TTGCCCCCTAGGGCTGTATGGAGCTCTCTGTGGAGAACCCAGATTTGAACTCTTC	188				
Qy	168	AGTCCTGTTCATCTGTGCACTGCTTCCACGTTGAGTTAGGTACTAAAGCGTATCC	227				
Db	189	TCCGCTGAGCATATCTGTGTCATTTAGCCGTTTACGGCTTGCGCTACAC	248				
Qy	228	CATGACGAAATTAGAGTTAACUTTAATTCGACCAATCCAGAACCCAAATT	287				
Db	249	CAAAACACAGATTCTGGAGCTCTGGGTTAACCTCAGACACTCTGTAAAGAGATT	308				
Qy	288	CAAGGAGCTTCAAGAGTTGAGAACTTGTGAGAACTTGTGAAATTCATTGCAATT	347				
Db	309	CAACAGGGTTCCAGCAATTGTGTCATGTTCCAAATATGAACTGGGATTG	368				
Qy	348	ACTACTGGTAACCGTTATTGTTGTCGAAGGTTAAATGTTGCAAAATTCCCTGAA	407				
Db	369	CAGATGGAAATTCAGTTTATGGCAACAGCTGAACACCCTGGAAATTGGAT	428				
Qy	408	GACCTCAAGAAACTATACATACAGTCGGTTTACCGTTAATTGTTGTAATCTGAGAA	467				
Db	429	GATSTCAAGAACCCCTCTATGAAACTGAAGTCTTCATGCTCAATGTTCTGCA	488				
Qy	468	GCTAAAAAGCAAATTAAATGATTAGTTGAGAAAGGCCACAGGGTAGATGCTGACCA	527				
Db	489	GCCCCAGATGAGTCAGATCAAGTTATGTTGAGAAACCAAAAGGGAAATTCTAGGCTTA	548				
Qy	528	GTAAAGAAATTAGATCGTGTAGACCTGACTAGTTAATTTCAAGGG	587				
Db	549	ATTCAAGAACCTCAAACTGAACATTATGATGTTGAACTATTCATCAAGC	608				
Qy	588	AAGTGGACGTCCTTGGAGTTAAAGTACTGAGAG --- GAAGATTTCATGTTGAT	644				
Db	609	CACTGGGCAATCTTCTGTTGATCPAAACAGAAAGAGTCCACCTTCAGTGGAC	668				
Qy	645	CAAGTTACTACTGTCAAAGTTCCAATGTAAGAAAGACTGGTATGTCATCAACAT	704				
Db	669	AAGGCACCAAGTACAGTGCCATGATGACCTGTTCAAAACA	728				
Qy	705	TGCAAAAAAAATTAAAGTTCTGGCTCTTATTAAAGAACTATTAGGTAACTGTTAT	764				
Db	729	GATGTGACCTGTGTTGAACTTGTGAACTTGTGAACTTGTGAACTTGTGACT	788				
Qy	765	TTTTTTTACAGCAGGAGTAACTTGTGAACTTGTGAACTTGTGAACTTGTGACT	824				
Db	789	TTTGCTCCCTCGAGGAGGGCACATGGATGGTGAAGCAGCCATGTCATCTAAACA	848				
Qy	825	ATTACTAAATTAGAGACGAGGATCTCGTAGCCTCTGTGCAACCTGCCAAACTA	884				
Db	849	CTGAGAAAGTGGAAACCATTATGCAAGAAGGATGGTTGATTTGTTCAAAGTT	908				
Qy	885	AGTATCACCGGTACTTACGACTTAAATCTGTTAGGCCAGTTAGTAACTACCAAAAGT	944				
Db	909	TCCATTTCGCCCCATATGACCTTGTGGAACTACACTGAGATGGTATGGGTGTC	968				
Qy	945	TTTCTAAACGGTGGCGATTGTGACTGGCTCACTTAAATTGAGTAA	1004				
Db	969	TTTGTCTGAAGTGTGACTTCTCTGGAAATCACAAAAGACAAATGGTCATAACTTCTCTAT	1028				
Qy	1005	GCTGTTCAAAAGCCGTTCTTAACTATGATGAAAAGGGTACCCGGCGCTATG	1064				
Db	1029	GCTTTCAAAAGGCTGTGTCATACATGTTGAGAGGAACTAAAGAGGAGCTTCTCCT	1088				
Qy	1065	TTCCCTGGAACTAT-----TCCAATGAGCACTTCCACCCAGAAAGTTAAAT	1112				
Db	1089	GAACCTGGTGTGTCCTCGGAAAGTACAGTCGTCATCCGTTGAGTGGTCA	1148				
Qy	1113	AAACCATGTTGTTCTGTGATGTCAGGAGAACACTAAAGCCCATGTTATGGTAA	1172				
Db	1149	AGAACATCTCTTACTGATCATCTAGTCAAGAAACGACACTATGCTTGTGGCTAA	1208				
Qy	1173	GTTCGTAACCCAACTCAGAAG	1193	Qy	1173	GTTCGTAACCCAACTCAGAAG	1193
Db	1209	GTGTTGACCCAAACAAAGAG	1229	Db	1209	GTGTTGACCCAAACAAAGAG	1229
	RESULT 10						
	us-09-107-2257						
	Sequence 2257, Application US/09880107						
	Patent No. US20020142981A1						
	APPLICANT INFORMATION:						
	APPLICANT: Horne, Darcie T.						
	APPLICANT: Vockley, Joseph G.						
	APPLICANT: Scheff, Uwe						
	APPLICANT: Gene Logic, Inc.						
	TITLE OF INVENTION: Gene Expression Profiles In Liver Cancer						
	FILE REFERENCE: 44921-5028-WO						
	CURRENT APPLICATION NUMBER: US/09-880,107						
	CURRENT FILING DATE: 2001-06-14						
	PRIOR APPLICATION NUMBER: US 60/211,379						
	PRIOR FILING DATE: 2000-06-14						
	PRIOR APPLICATION NUMBER: US 60/237,054						
	PRIOR FILING DATE: 2000-10-02						
	NUMBER OF SEQ ID NOS: 3950						
	SOFTWARE: PatentIn Ver. 2.1						
	SEQ ID NO 2257						
	LENGTH: 1872						
	TYPE: DNA						
	ORGANISM: Homo sapiens						
	FEATURE:						
	OTHER INFORMATION: Genbank Accession No. US20020142981A1 M14091						
	us-09-107-2257						
	Query Match	12.7%					
	Best Local Similarity	49.2%					
	Matches	576;	Conservative	0;	Pred. No. 2.7e-39;		
	Mismatches	580;	Indels	15;	Gaps	2;	
	Qy	49	CCAGTCATCAGCACCAGAACGACCATGGACTTAAATAAAATTACTGCCAAATTAGCCGAAT	108			
	Db	416	CTGCGATTCTATCCTCCACCAATGCGCACTCTCAAGATGTCATCATTAATGCTGACT	475			
	Qy	109	TGCTTTCTCTTGTATAGACAATTAGCTCATCAAGTAATTCTACTAACTATTTTTTTA	168			
	Db	476	TGCAATTCTGACCTGAGGGTTACCTGTCATGCTGACCCAGATAAGAACATCCTTT	535			
	Qy	169	GTCCCTTTCTTATTGCGACTGCGCTTGGCCATGTTGAGTTAGGTTACGGTACAAAGCCATACCC	228			
	Db	536	CCCTGTGAGCTTCTGAGCTTCTGAGCTTCTGTTGCTGCGACCACTGCGACACCC	595			
	Qy	229	ATGACGATTTAGAGGTTAACCTTAACTGTTAACCTGTTAACTTGTGAAATCCAGAACCCAAATT	288			
	Db	596	AAACTGAGATGTTGAGACTTCAAGGTTTCAAGGTTGAGACTTCAACCTGTTCAATTGCAATT	655			
	Qy	289	ACGAGGGTTTCAAGGTTGAGACTTCAACCTGTTCAATTGCAATT	348			
	Db	656	AGCATGCTTCCAGATCTGATCTGTTCAATTGCAATTGTTCAAAAGGGAACTGGTAAAT	715			
	Qy	349	CTACTGTTAAGCGTTATTGTTGCTGAGGTTAAATGGTACAAATTCTCTAGAG	408			
	Db	716	AGATGAGAAATGCCCTCTTCTGCAAGGATCTGTCAGCAATTCTGCGACAGTTCCTGAGT	775			
	Qy	409	ACGTCAAGAACTATCATGATGAGCTGAGTGAATGTTGAGCTTAAATTGTTGAGTACTGAGGAG	468			
	Db	776	ATGTCAGACCTCTATGCTTACCTGTCATGCTGTTCACTTCACATTCCTGAG	835			
	Qy	469	CTAAAGCAAAATTATGATTATGTTGAGGAACTTGTGAGAAAGCTGTTGACCTAG	528			
	Db	836	CCAAGGAGGAGTAACTGTCATGTTGAGTGCACAGTCATGTTGAGTGGCTAA	895			
	Qy	529	TTAAAATTAAGTATGCTGATGTCAGGAGTCTTCCACPACTTATGTTTCAAGGGA	588			
	Db	896	TTCAGACCTCAAGCCAAACCCACTATGCTTCTGTTAGTGACTATTCAC	955			

Query	Match	Score	DB 10;	Length
Best Local Matches	Similarity	49.2%	Pred. No.	8.3e-597;
Matches	Conservative	0;	Mismatches	349;
Py	105	GAATTGCTCTTTCTGTATAAGCAATTAGCTCATCAAGTAACTTGTGACTAACTATTT	164	
Db	160	GACTAGGCTTAAGCTGTCGAAGAGCTGGCCCTTTAACCCCTGGGGAACTCTTC	219	
Py	165	TITAGTCTCTGTTCTATTGCACTGCTTGCCTATGTTGAGTTAGGTACTAAAGCCGAT	224	
Db	220	CTATCCCCCTGAGCATCTACAGCTTCTCCAGCTGTCGTCCTGGTCCCAGAACG	279	
Py	225	ACCCATGAGGAGATTTAGAGGTTAACTTTAATTTGACCGAAATCCAGAAGCCPAA	284	
Db	280	ACCTTGAGGAGATCAAGGGGTTCAACTTCGAAAG-----ATGCCAGAAAAGAT	333	
Py	285	ATTACGAGGGTTCTCAAGACTTGTGAGACTTGTGAACTTGTGAACTCTGATTC	344	
Db	334	CTTCAGGAGGCTTCCATTAATCATCCACAGGTGACCCAGGACCTGCTCAA	393	
Py	345	TAACTACTGGTAACGGTTATTTTGTCTGAGGTTAAAATGGTGCACAAATTCTPA	404	
Db	394	CTGAGCATGGAAACGCGTTCAATTGACCAAGGGCTGACGCCACAGGTAAGTTTG	453	
Py	405	GAAGACCTAAGAAACTATATCATAGTGGCTTTACCGTTAACCTGGTATACTGAG	464	
Db	454	GRAGATGCCAAGAACCTTTAACGTGGCAACCTCTAACCAACTTCTGAATTGGAA	513	
Py	465	GAAGCTAAAGCAAAATTAGTATGTTGAGAACCCAGGGTAAGATCCTGTAC	524	
Db	514	ATGGCTGAACAGCAAAACTTATCAGTCAAAACCCAGGAAATTAAACAC	573	
Py	525	CTAGTTAAAGAATTAGATCGTGTACCGTTCCAGGTTAACCTATGTTCTTCAG	584	
Db	574	CTGATCCGAAATATAGACCCGGCACTGTGTCTCTGCAATTATTCCTTCGGA	633	
Py	585	GCTAAGTGGAACTGCTTCCAGGTTAACATCTGAGGAACTTTCATGTTGAT	644	
Db	634	GCCAGGTGGAACATGAGTTGATCCAAATGTAACTAAAGGGGATTCCTTCTGGAG	693	
Py	645	CAAGTTACTCTGTCAAAGTTCAATGTTGAGAACAGTGGTATGTTCAATATTCACAT	704	
Db	694	AAAACACGTTCAAGTGGCCATGATGTCCTGAGTGGCATATACAGATGGCT	753	
Py	705	TGCCAAAATTAGTCTGGCTCTTATAATGAACTTATGGTAAACGCTACTGCTATT	764	
Db	754	GACGATAAGCTCTCTGACCCATCCTCGAACCTACCCCTACCAAGAAAATATCACGGCATC	813	
Py	765	TTTTTTACCAAGAGGTTAGCTCAACATTAGAATGAGTTGACTCATGACATT	824	
Db	814	TTCATCTCTCTGTAGGGCAAGCTGAAGCACTTGGAGGGATGAGGTGACACT	873	
Py	825	ATTACTAAATTTTAGAACAGGATGCTGCTGCGCTTCCTCTGCACCTGCCAAAGTA	884	
Db	874	TTCCTCAGATGAAAACATTACTGTCAAGCAGGGTCTAGCTGCTGACACT	933	
Py	885	AGTATCAGGTTACTAGACTTAAATCTGTTAGGCCAGTTAGTTAACCAAAGTT	944	
Db	934	CACATGAGGGACCCCTGACCCCTGACCAAGACTCTCTCATAGGTGTCCTCAAATC	993	
Py	945	TTCCTCAAGGTTGCGATTGAGTGGTTACTGAAAGCTCATTAAATTGACTAA	1004	
Db	994	TTTGAGGGACATGTTGATCTACCAATGCGCCCTCATGCGACTGAGGTGAG	1053	
Py	1005	GCTGTCACAAAGCCGTCTTAATCTTGTGAAAGGTACCGAGGGCGGGCTATG	1064	
Db	1054	GTCTGGGCAACAGCTGCGCATGAGATGGTACGGGGTACGAAAGGGCTGGCACC	1113	
Py	1065	TTCTGGAGGTTTCCATGAGCATCCAGGATTCACCAACTTAAATTAACCATCCTG	1124	
Db	1114	GGACCAAGACTCTGCGCATGAGACACACTCGTCAAGATAGCAAAACCCCTATCTG	1173	
Py	1125	TTCTGTGATCGAGGAGAACTAAAGCCCATTTGGTAAAGTGTATGGTAAACCA	1184	

Query	Match	Score	Length
Qy	12.08; Best Local Similarity 50.5%; Matches 499; Conservative 0; Mismatches 484; Indels 6;	182.6; Pred. No. 1.2e-36;	2051; DB 10;
Qy	103 CCGAATTGCTTTCTTGTATAGACAATTAGCTCATCAAGTAATTCTACTAACAT		
Db	238 CTGACTTGTGCTTCAGCCTCTAACAGCTGCTTGGAGTCCAGATAAATGTG		
Qy	163 TTTTACTCTGTTCTATTGCTTCAAGCTTCAAGCTGTTAGGTTACTAAAGCT		
Db	298 TCTCTCCCACATTAGATCTAGGCTTGGCTGGTGTGTTGGAAACGGCTGAG		
Qy	223 ATACCCATGCGAGATTAGAGGTTAACCTTAACCTTAATTTGACCGAAATCCCAGAGG		
Db	358 ACAGCATGGAGAGATTCTAGAGGTCTCAAGGTCTCAAGTCAATTCTACAGACCCCTGAGA		
Qy	283 AAATTCACAGGGTTTCAAGGTGAAACTTGTGAACTTGTGATCAACCTGATTCTCAATT		
Db	418 AAATCCACGGGCTTGGAACCTTCCAGAGGCTCACCCAAAGGACGAGAT		
Qy	343 AATTAACTACGGTAACGGTTATTTGCTGAAAGCTTAAATGGTTGACAAATT		

RESULT 13  
US-09-960-352-12287  
Sequence 12287, Application US/09960352  
Patent No. US20020137139A1  
GENERAL INFORMATION:  
APPLICANT: Warren, Wesley C.  
APPLICANT: Tao, Nengbing  
APPLICANT: Byatt, John C.  
APPLICANT: Mathia, Lajan  
TITLE OF INVENTION: NUCLEAR ACID AND O  
TITLE OF INVENTION: MUSCLE AND FAT DE  
FILE REFERENCE: 16511.006/37-21.10288  
CURRENT APPLICATION NUMBER: US/09/960,  
CURRENT FILING DATE: 2001-09-24  
NUMBER OF SEQ ID NOS: 15112  
SEQ ID NO: 12287  
LENGTH: 391  
TYPE: DNA  
ORGANISM: Bos taurus  
OTHER INFORMATION: Clone ID: 52-LTB34  
US-09-960-352-12287

Query Match	10.6%	Score 161; DB 10; Length 391;	Db	152 CAGCATCTTCACACCCCTGAACCAGCCAACCACCGTCAACTGACCACTGGCAAT 211
Best Local Similarity	64.2%	pred. No. 1.7e-31;	Qy	360 GGTTTATTGTTGCTGAGGTAAAATGGTACAATTCTAGAGACGTCAAGAAA 419
Matches	242; Conservative	0; Mismatches 135; Indels 0; Gaps 0;	Db	212 GGCTGTCTCATCATGAGTGCACCTAGGCTTGGAGATGTCAGAAC 271
Qy	336 CATTGCAATTAACTACTGGTAACCGTTTATTTGCTGAGGTTAAATTGGTGCAC 395		Qy	420 CTATATCCTAGTGAGGCTTTACCGTTAATTGGCTACTTGAGGCTAAAGCAA 479
Db	2 CAGCTCAACTGACCACTGGCAATGGCTCTTCATCAATGAGTCAGGCTAGTGGAT 61		Db	272 CTGTATCATCTACCTCCAAAGCTTCTCCATACACTGGATGCTGAGGCAAGAG 331
Qy	396 AAATCCCTAGAGAGCTCAAGAAACTATATCATAGTGGCTTTACCGTTAATTGGT 455		Qy	480 ATTAATGATTATGGTGAAGAACGGCAGGTTAAAGATGCTGACCTAGTTAAAGATA 539
Db	62 ATGTTTGGGGATGTCAGAACCTGTACTCGAGCTCTCCATCAACTTCAG 121		Db	332 ATCAACGGTTATGAGAAGGGAAACCATGCAAATGGTAAAGGTTCCT 391
Qy	456 GATACTGAGGAAGCTAAAAAGCAAAATTAAATGATTATGGTGAAGAAGGGTAAAG 515		Qy	540 GATCGTGTACACCGTCCTGGACTAGTAACTATATT 576
Db	122 GATGCTGAGGGCCAGAAAGTCAAGATGAGAAGGGAGCATGGAAA 181		Db	392 GACCCANACACAGTTTGTCTGGTAAATACATT 428
Qy	516 ATCGTGCACCTAGTAAAGATTARATCGTGTACCGCTTCTGACTAGTAACTATT 575			
Db	182 ATGTTGGATGTTGTAAGGCTCTGACCCAAACAGCTTGTCTGTGAATTACATT 241			
Qy	576 TTTTCAGGTTAAGTGGAACTGCTCTGGAGGTTAAAGATACTGAAGAGAAGATT 635	RESULT 15	US-09-960-352-14649	
Db	242 TCCCTTAAGGAAATGGGAACTGCTCTGGAGAAGCCTGAGTGAACCAAGAGGACTC 301			Sequence 14649 Application US/09960352
Qy	636 CATGTTGATCAGGTTACTACTGTCAAAGTTCACAATGATAAAAGACTGGTATTTCAAT 695			Patent No. US20013139A1
Db	302 CATGTCGACGCAACCTGAGGGTCCCATGATGACCCCTGGCATCTGAC 361			GENERAL INFORMATION:
Qy	696 ATTCAACATTCGAAAMA 712			APPLICANT: Warren, Wesley C.
Db	362 CTCCCACTACTCGACAA 378			APPLICANT: Tao, Nengbing
				APPLICANT: Byatt, John C.
				APPLICANT: Mathialagan, Nagappan
				TITLE OF INVENTION: NUCLEAR ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
				GENERAL INFORMATION: MUSCLE AND FAT DEPOSITION
				FILE REFERENCE: 16511.006/37-21(10298)C
				CURRENT APPLICATION NUMBER: US/09/960,352
				CURRENT FILING DATE: 2001-09-24
				NUMBER OF SEQ ID NOS: 15112
				SEQ ID NO 14649
				LENGTH: 444
				TYPE: DNA
				ORGANISM: Bos taurus
				OTHER INFORMATION: Clone ID: 62-LIB34-086-01-E1-H6
				US-09-960-352-14649
				Query Match 8.9%; Score 135.8; DB 10; Length 444;
				Best Local Similarity 58.28; Pred. No. 4.2e-25; Indels 0; Gaps 0;
				Matches 239; Conservative 0; Mismatches 172; Indels 0; Gaps 0;
				QY 82 ATAAAATTACTCCAAATTAGCGGAATTGCTTCTCTTGTATGACAAATTAGCTCATC 141
				Db 34 ACAAGATGCCCCCAACCTGGCAACUTGCTTCAAGATACCCACATGGCTCATC 93
				QY 142 AAGTAATTCCTACTAACTTATTAGTCCTGTCTATGCCCCACTGCTGCGATGT 201
				Db 94 AGTCCACACCAGCAACATCTCTTCCTCCCGTGAATGCATGCCTTGGATGC 153
				QY 202 TGAGTTAGTACTAAAGCGATACCGATAGGAGATTAGAAGTTAAACTTAART 261
				Db 154 TCTCCCTGGGGCCAAAGGCACACTCACGTGATCTGAAGGGCTTCAACC 213
				QY 262 TCAACGAAATCCAGGCCAAATTCAGGGGTTTCAAGAACTTGTGA 321
				Db 214 TCATGTACTTCGAGAGCTGATGCCATCAAGGGCTTCAACCCCTCA 273
				QY 322 ATCAACCTGATTCCTCAATGCAATTAACTGTTACGGTTATTTGTCTGAGGT 381
				Db 274 ACCAGCAAACCAACCGCTGCAACTGACACTGGCAATGGCTCATCAATGAGATG 333
				QY 382 TAAATTTGGTGTGACAAATTCCTGAAAGGAGAAACATATCATAGGAGCTTTA 441
				Db 334 CAAAGCTGTGGATACCTGCTGAGGATGTCAGCTCGAAGGCCTCT 393
				QY 442 CGGTTAATTTGGTGTGAAATCTGAGCTAAAGGAAATTAATGATTGATTG 492
				Db 394 CCATCAACTCAGGATGCTGAGGGCAGAAAGGATCAACGATTG 444

---

Search completed: December 6, 2002, 23:36:50  
Job time : 60.5 secs

